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UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE.
HENRY S. GRAVES, Forester.

October Field Program, 1919

This program of field-work assignments in the Forest Service is issued quarterly, on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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GRAZING.

WILL C. BARNES, assistant forester in charge; **J. W. NELSON**, inspector of grazing.

GRAZING STUDIES (in cooperation with **F. V. COVILLE**, botanist, Bureau of Plant Industry).—**JAMES T. JARDINE**, inspector of grazing, in charge.

Forage investigations.—**William A. Dayton**, plant ecologist, Washington, D. C.

Goat range study.—**William R. Chapline**, grazing examiner, Washington, D. C.

Range reserve experiments.—Jornada Reserve: **Clarence L. Forsling**, grazing examiner, in charge, Las Cruces, N. Mex. Santa Rita Reserve: **R. R. Hill**, grazing examiner, in charge, Tucson, Ariz.

LANDS.

E. A. SHERMAN, assistant forester in charge; **C. H. SQUIRE**, inspector of lands; **W. J. MANGAN**, examiner.

CLAIMS AND OCCUPANCY.—**C. H. SQUIRE**, in charge.

LAND CLASSIFICATION.—**JOHN D. JONES**, in charge.

SETTLEMENT.—**F. L. HARVEY**, in charge.

BOUNDARIES AND ENTRY SURVEYS.—**R. V. REYNOLDS**, in charge.

STATUS.—**J. B. SATTERLEE**, **J. E. BURCH**.

RESEARCH.

EARLE H. CLAPP, assistant forester in charge; **S. T. DANA**; **FRANK LIN H. SMITH**; **A. H. PIERSON**; **A. B. STROUGH**, collaborator, Albany, N. Y.; **STANLEY L. WOLFE**; **HARRY IRION**, office assistant.

FOREST INVESTIGATIONS.—**RAPHAEL ZON**, chief.

Studies.—**C. R. Tillotson**, **W. D. Sterrett**, **W. N. Sparhawk**, **E. R. Hodson**, **E. H. Frothingham**; **A. F. Hawes** and **W. R. Mattoon** (in cooperation with the States Relations Service); **Willis Munro** (in co-operation with the Bureau of Entomology).

FOREST DISTRIBUTION.—**W. H. LAMB**, in charge; **Miss G. E. Wharton**.

FOREST MEASUREMENTS.—**W. B. BARROWS**.

LIBRARY.—**Miss H. E. STOCKBRIDGE**.

COMPILATION.—**Miss E. B. LEECH**.

Cloquet Experiment Station in cooperation with the University of Minnesota.—**W. H. Kenety**, Cloquet, Minn.

FOREST PRODUCTS LABORATORY (in cooperation with the University of Wisconsin, Madison, Wis.).—**CARLILE P. WINSLOW**, director; **O. M. BUTLER**, assistant director; **H. D. Tiemann**, dry-kiln specialist; **C. V. Maudlin**, assistant engineer in forest products.

PUBLICATION OF RESULTS.—ROLF THELEN, acting, in charge; RAY C. TUTTLE.

DERIVED PRODUCTS.—L. F. HAWLEY, in charge; ERNEST BATEMAN, SAMUEL A. MAHOOD, E. C. SHERRARD, HOWARD N. CALDERWOOD, G. W. BLANCO, D. E. CABLE, GEORGE G. TOWN.

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BOX TESTS.—_____, in charge; J. B. FREAR, C. A. PLASKETT.

TIMBER PHYSICS.—ROLF THELEN, in charge; C. V. SWEET, A. KOEHLER, MISS ELOISE GERRY, M. C. JENSEN, LAWRENCE V. TEESDALE, D. R. BREWSTER, MISS GERTRUDE GRIFFIN.

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LUMBER STUDIES.—_____, in charge; D. G. WHITE.

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LABORATORY OPERATION.—J. D. DEIHL, administrative assistant; CHARLES P. JUCKEM, executive clerk.

ACCOUNTS.—OSCAR M. WOLD, fiscal agent.

ENGINEERING.—B. L. NELSON, assistant engineer in forest products.

PHOTOGRAPHY.—M. E. DIEMER, chemist in forest products.

COMPUTING.—KENNETH SCOTT..

LIBRARY.—MISS S. D. KINNEY.

FOREST PRODUCTS.—H. S. BETTS, in charge; W. D. BRUSH, J. T. HARRIS, R. K. HELPHENSTINE, JR., J. S. MATHEWSON.

ENGINEERING.

O. C. MERRILL, chief engineer; T. W. NORCROSS, assistant chief engineer.

ROADS.—T. W. NORCROSS, in charge; JOHN L. COBBS, forest examiner.

WATER POWER.—RALPH R. RANDELL, assistant engineer, in charge.

MAPS AND SURVEYS.—F. E. BONNER, assistant engineer, in charge; C. A. KOLB, geographer.

ATLAS.—G. B. BRUCE.

DRAFTING.—J. M. WITHEROW.

ENGRAVING.—T. S. BROCK.

PHOTOGRAPHY.—E. S. SHIPP.

ACQUISITION OF LANDS UNDER THE WEEKS LAW.

WILLIAM L. HALL, assistant forester in charge.

APPRAISAL OF LANDS.—W. W. ASHE, forest inspector, in charge, Washington, D. C. Lumberman's examinations: E. D. Fletcher, Gorham, N. H. Forest examiners: White Mountain Area, H. S. Davis and party, Gorham, N. H.; Shenandoah Area, S. H. Thompson and party, Harrisonburg, Va.; Natural Bridge, Massanutten, and Potomac Areas, H. M. Sears and party, Buena Vista, Va.; Unaka and White Top Areas, W. E. Hedges, national forest examiner, Johnson City, Tenn.; Boone and Mount Mitchell Areas, W. J. Damtoft and party, Asheville, N. C.; Savannah Area, E. J. Mead, Franklin, N. C.; Georgia Area, C. E. Beaumont and party, Athens, Tenn.; Alabama Area, B. M. Lufburrow, forest ranger (in charge of party), Moulton, Ala.; Ozark Area, William P. Dale, forest examiner, Russellville, Ark.; Arkansas Area, J. A. Bateman, national forest examiner, and F. T. Murphy, forest examiner, Hot Springs, Ark.

SURVEY OF LANDS.—RUDOLPH DIEFFENBACH, forest examiner in charge, Washington, D. C. Examiners of surveys: White Mountain Area, Frederick A. Gardner, Carl F. Muzzey, and Paul G. Jenney, Gorham, N. H.; Shenandoah Area, E. R. Conrad, Harrisonburg, Va.; Nantahala Area, James Denman, Asheville, N. C.; Mount Mitchell Area, Dave M. Gibson, Marion, N. C.; Natural Bridge Area, Alfred R. Kinney, Buena Vista, Va.; Savannah Area, W. N. Sloan, Franklin, N. C.; Monongahela Area, Walter H. Sullivan, Elkins, W. Va.

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DISTRICT 1.

NORTHERN DISTRICT.

Montana, northeastern Washington, northern Idaho, and northwestern South Dakota. Office, Federal Building, Missoula, Mont.

R. H. RUTLEDGE, district forester.

LAW.—Office of the Solicitor (Forest Service branch). D. F. McGOWAN, assistant to the solicitor, in charge.

ACCOUNTS.—JOHN A. URBANOWICZ, district fiscal agent.

OPERATION.— ——, assistant district forester; G. I. PORTER, executive assistant; ELERS KOCH, fire suppression; R. B. ADAMS, telephone engineer; LEWIS C. STOCKDALE, improvements.

MAINTENANCE.—F. W. BEIER, JR.

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LOGGING ENGINEERING.—J. W. GIRARD, U. S. SWARTZ.

TIMBER SALES.—Field supervision, _____.

PLANTING.—E. F. WHITE and W. M. NAGEL. Savenac Nursery, D. S. Olson, planting assistant, Haugan, Mont.

PRODUCTS.—C. N. WHITNEY, forest examiner.

INSECT CONTROL.—_____.

RESEARCH.—_____.

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GRAZING.—GLEN A. SMITH, assistant district forester.

STUDIES.—L. C. HURTT, grazing examiner.

LANDS.—F. A. FENN, assistant district forester.

CLAIMS.—P. J. O'BRIEN, law examiner; F. R. INGALSBEE, mineral examiner.

LAND CLASSIFICATION.—C. B. SWIM, assistant.

ENGINEERING.—G. H. LAUTZ, district engineer; F. E. THIEME, assistant district engineer.

MAPS AND SURVEYS.—J. B. YULE, in charge.

Topographic Surveys.—J. B. YULE.

Drafting.—FRANK J. COOL.

Photography.—K. D. SWAN.

Entry Surveys.—F. E. THIEME.

ROADS.—G. H. LAUTZ, in charge; H. A. CALKINS.

WATER POWER.—E. W. KRAMER, in charge.

EXPERIMENT STATION.

Priest River, Kaniksu National Forest.—JULIUS A. LARSEN, forest examiner, acting in charge, Priest River, Idaho.

NATIONAL FORESTS.

IDAHO.

Clearwater.—R. A. HAMILTON, forest supervisor, Orofino (WU); P. A. Wohlen, fire assistant.

Coeur d'Alene.—M. H. WOLFF, forest supervisor, Coeur d'Alene (WU); C. C. Delavan, fire assistant; C. L. Billings and Philip Neff, lumbermen; V. C. Sheffield, forest examiner.

Kaniksu.—See Washington.

- Nezperce.**—S. V. FULLAWAY, Jr., forest supervisor, Grangeville (WU); R. N. Cunningham, fire assistant.
- Pend Oreille.**—L. G. HORNBY, forest supervisor, Sandpoint (WU); Jas. E. Ryan, deputy forest supervisor; R. R. Fitting, fire assistant.
- Selway.**—F. J. JEFFERSON, forest supervisor, Kooskia (WU); John H. Clack, deputy forest supervisor; F. J. Klobucher and F. T. Carroll, fire assistants.
- St. Joe.**—DWIGHT L. BEATTY, forest supervisor, St. Maries (Continental); A. S. Hauge, lumberman; A. J. Roche, fire assistant.

MONTANA.

- Absaroka.**—ERNEST W. SHAW, forest supervisor, Livingston (WU); Frank J. Mosher, forest examiner.
- Beartooth.**—R. TREVOR FERGUSON, forest supervisor, Billings (WU).
- Beaverhead.**—J. B. SOMERS, forest supervisor, Dillon (WU); A. O. Benson, forest examiner.
- Bitterroot.**—W. W. WHITE, forest supervisor, Missoula (WU, P); Mallory N. Stickney, deputy forest supervisor; A. J. Devan, fire assistant.
- Blackfeet.**—R. P. McLAUGHLIN, forest supervisor, Kalispell (WU); R. G. Merritt, forest examiner; R. L. Woesner, lumberman.
- Cabinet.**—H. L. BAKER, forest supervisor, Thompson Falls (WU); Howard Drake, lumberman; F. E. Brown, fire assistant.
- Custer.**—J. C. WHITHAM, forest supervisor, Miles City (WU); O. C. Bradeen, deputy forest supervisor.
- Deerlodge.**—FAY G. CLARK, forest supervisor, Butte (P); W. W. Weber, deputy forest supervisor; W. C. Latane and J. C. Ketridge, forest examiners.
- Flathead.**—JOSEPH D. WARNER, forest supervisor, Kalispell (WU); E. A. Anderson, deputy forest supervisor; C. S. Webb, lumberman; Kenneth Wolfe, H. L. Redlingshafer, and Chas. J. Hash, fire assistants.
- Gallatin.**—R. E. BODLEY, forest supervisor, Bozeman (WU); J. C. De Camp, deputy forest supervisor.
- Helena.**—C. K. MCHARG, Jr., forest supervisor, Helena (WU); A. H. Abbott, deputy forest supervisor.
- Jefferson.**—W. B. WILLEY, forest supervisor, Great Falls (WU); A. C. Adams, deputy forest supervisor.
- Kootenai.**—_____, forest supervisor, Libby (WU); Leslie F. Vinal, deputy forest supervisor; C. E. Sutton, forest examiner; C. B. Baker and Clark Miles, fire assistants.
- Lewis and Clark.**—BURR W. CLARK, forest supervisor, Choteau (WU).

Lolo.—A. M. BAUM, forest supervisor, Missoula (WU, P); A. B. Hodgins, lumberman; E. J. Yeomans, forest examiner; R. A. Phillips, fire assistant.

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Missoula.—RUTLEDGE PARKER, forest supervisor, Missoula (WU, P); Frank Foltz, fire assistant.

Sioux.—J. C. WHITHAM, forest supervisor, Miles City (WU); O. C. Bradeen, deputy forest supervisor; W. L. Baldwin, forest examiner.

WASHINGTON.

Kaniksu.—H. R. FLINT, forest supervisor, Newport (WU via Priest River-Exp., via Priest River); A. J. Feary, deputy forest supervisor; C. R. Clark, forest examiner; J. S. Baird, lumberman; G. W. Kitch, fire assistant.

DISTRICT 2.

ROCKY MOUNTAIN DISTRICT.

Colorado, Wyoming, South Dakota, Nebraska, northern Michigan, and northern Minnesota. Office, New Federal Building, Denver, Colo.

FRED MORRELL, acting district forester; W. I. HUTCHINSON, information; PETER KEPLINGER, education.

LAW.—Office of the Solicitor (Forest Service branch). GEO. E. TROWBRIDGE, assistant to the solicitor, in charge.

ACCOUNTS.—Q. R. CRAFT, district fiscal agent.

OPERATION.—FRED MORRELL, assistant district forester; JOHN MCLAREN, national forest examiner, fire protection; H. R. KYLIE, telephone engineer; ARTHUR M. COOK, improvements.

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PLANTING.—FRED R. JOHNSON.

FOREST INVESTIGATIONS.—C. G. BATES.

CARL HARTLEY, consulting pathologist, Denver, Colo.

GRAZING.—JOHN H. HATTON, assistant district forester; LYNN H. DOUGLAS, inspector of grazing.

STUDIES.—LYNN H. DOUGLAS, inspector of grazing, in charge; JESSE M. MANN, grazing assistant.

LANDS.—C. J. STAHL, assistant district forester; THOS. M. MOORMAN, assistant; CROSBY A. HOAR, classification and exchange; J. B. CAMMANN, mineral examiner; ARTHUR H. CARHART, recreation engineer.

ENGINEERING.—FRED D. MENDENHALL, district engineer; J. L. BROWNLEE, assistant district engineer.

MAPS AND SURVEYS.—

Drafting.—C. B. GOSORN, acting.

Entry Surveys.—W. C. CAMPBELL.

Topographic Surveys.—J. BURGESS, acting.

ROADS.—FRED D. MENDENHALL, in charge; J. L. BROWNLEE, assistant.

WATER POWER.—FRED D. MENDENHALL.

EXPERIMENT STATIONS.

Fremont, Pike National Forest.—C. G. BATES, Manitou, Colo.

Wagon Wheel Gap, Rio Grande National Forest.—J. H. JARBOE, of the Weather Bureau, Wagon Wheel Gap, Colo.

NATIONAL FORESTS.

COLORADO.

Arapaho.—DWIGHT S. JEFFERS, forest supervisor, Hot Sulphur Springs (WU); H. H. RICHMOND, forest examiner.

Battlement.—JOHN W. SPENCER, forest supervisor, Grand Junction (WU).

Cochetopa.—FRED B. AGEE, forest supervisor, Saguache (WU); Clarence E. Taylor, forest examiner.

Colorado.—H. N. WHEELER, forest supervisor, Fort Collins (WU).

Durango.—H. EARL FRENCH, forest supervisor, Durango (WU); Wm. R. Fraser, deputy forest supervisor.

Gunnison.—WILLIAM R. KREUTZER, forest supervisor, Gunnison (WU).

Hayden.—See Wyoming.

Holy Cross.—HARRY H. FRENCH, forest supervisor, Glenwood Springs (WU); Robert H. Easterbrooks, forest examiner.

Leadville.—R. E. CLARK, forest supervisor, Leadville (WU, P).

Montezuma.—A. F. C. HOFFMAN, forest supervisor, Mancos (WU); Charles Steuart, forest examiner.

Pike.—ARTHUR T. UPSON, forest supervisor, Denver (WU, P); Everard S. Keithley, forest examiner. Monument Nursery, W. H. Schrader, forest planting assistant, in charge, Monument.

Rio Grande.—A. L. SWITZER, forest supervisor, Monte Vista (WU); Walter F. Bowers, deputy forest supervisor.

Routt.—RAY PECK, forest supervisor, Steamboat Springs (WU); Alve L. Richey, deputy forest supervisor.

San Isabel.—ALBIN G. HAMEL, forest supervisor, Westcliffe (WU).

San Juan.—LESLIE BROWNELL, forest supervisor, Pagosa Springs (WU); Chas. B. Mack, deputy forest supervisor.

Sopris.—HARRY H. FRENCH, forest supervisor, Glenwood Springs (WU).

Uncompahgre.—HAROLD L. BORDEN, acting forest supervisor, Delta (WU).

White River.—JAMES A. BLAIR, forest supervisor, Glenwood Springs (WU); Theodore Krueger, forest examiner.

MICHIGAN.

Michigan.—HUBER C. HILTON, forest supervisor, East Tawas (WU). Beal Nursery, East Tawas.

MINNESOTA.

Minnesota.—G. E. MARSHALL, forest supervisor, Cass Lake (WU). Case Lake Nursery.

Superior.—C. A. DAHLGREN, forest supervisor, Ely (WU); Robert G. Schreck, forest examiner.

NEBRASKA.

Nebraska.—JAY HIGGINS, forest supervisor, Halsey (WU). Morton Nursery, Nenzil. Bessey Nursery, Harry C. Turner, forest planting assistant, in charge, Halsey.

SOUTH DAKOTA.

Black Hills.—GEORGE A. DUTHIE, forest supervisor, Deadwood (WU); Chas. L. Cecil and Gerald M. Hunter, deputy forest supervisors; L. E. Hitchcock, forest examiner.

Harney.—JAMES F. CONNER, forest supervisor, Custer (WU); John V. Leighou, forest examiner.

WYOMING.

Bighorn.—RESS PHILIPS, forest supervisor, Sheridan (WU); Andrew G. Stockwell, deputy forest supervisor.

Black Hills.—See South Dakota.

Hayden.—JAMES BLACKHALL, forest supervisor, Encampment (WU, P).

Medicine Bow.—EARL S. PEIRCE, forest supervisor, Laramie (WU, P); Louis E. Coughlin, deputy forest supervisor; Andrew Hutton, forest examiner; Jas. C. Jensen, lumberman.

Shoshone.—J. W. LOWELL, Jr., forest supervisor, Cody (WU); E. T. Wolf, forest examiner.

Washakie.—C. G. POOLE, forest supervisor, Lander (WU).

DISTRICT 3.

SOUTHWESTERN DISTRICT.

Arizona and New Mexico. Office, Gas and Electric Buildings, Albuquerque, N. Mex.

PAUL G. REDDINGTON, district forester; WARD SHEPARD, forest examiner, educational cooperation, and game protection.

LAW.—Office of the solicitor (Forest Service branch). CHARLES S. BROTHERS, assistant to the solicitor, in charge.

ACCOUNTS.—ALBERT MORRIS, district fiscal agent.

OPERATION.—ALDO LEOPOLD, assistant district forester, in charge; EDWARD P. ANCONA, deputy forest supervisor; H. G. CALKINS, forest supervisor.

SILVICULTURE.—R. E. MARSH, assistant district forester; D. M. LANG, lumberman; QUINCY RANDLES, forest examiner.

W. H. LONG, consulting pathologist, Albuquerque, N. Mex.

GRAZING.—JOHN KERR, assistant district forester; PAUL H. ROBERTS, inspector of grazing.

STUDIES.—M. W. TALBOTT and C. K. COOPERRIDER, grazing examiners.

LANDS.—FRANK C. W. POOLER, assistant district forester; FRANK B. ANDREWS, national forest examiner. Classification: REX KING and H. D. BURRALL, forest examiners.

ENGINEERING.—C. A. LONG, district engineer.

MAPS AND SURVEYS.—LEE C. DAVES, assistant engineer in charge.

Drafting.—F. E. LANDON.

Entry Surveys.—FRANK D. YOST and A. W. HENDRIX, surveyors.

ROADS.—C. A. LONG, in charge. Trail Surveys: J. C. MULDER, CHAS. H. KISSAM.

WATER POWER.—C. A. LONG, in charge.

EXPERIMENT STATION.

Fort Valley, Coconino National Forest.—G. A. PEARSON, forest examiner, in charge, Flagstaff, Ariz.; S. S. Van Boskirk, forest examiner.

NATIONAL FORESTS.

ARIZONA.

Apache.—ROBERT J. SELKIRK, forest supervisor, Springerville (P); Alfred W. Voight, deputy forest supervisor.

Coconino.—EDWARD G. MILLER, forest supervisor, Flagstaff (WU, P); Kenner C. Kartchner, deputy forest supervisor; Robert F. Rhinehart, lumberman; Leonard R. Lessel, national forest examiner; James W. Girdner, deputy forest supervisor.

Coronado.—_____, forest supervisor, Tucson (WU); H. Basil Wales, forest supervisor, acting in charge; Chas. L. Rak, deputy forest supervisor.

Crook.—T. T. SWIFT, forest supervisor, Safford (WU).

Prescott.—ROBERT L. DEERING, forest supervisor, Prescott (WU); J. C. McNelty, deputy forest supervisor.

Sitgreaves.—T. C. HOYT, forest supervisor, Snowflake (P).

Tonto.—W. H. GODDARD, forest supervisor, Roosevelt (WU); J. H. Sizer, deputy forest supervisor.

Tusayan.—_____, forest supervisor, Williams (WU, P); Francis L. W. Grubb, deputy forest supervisor, acting in charge; Chester V. Christensen, deputy forest supervisor.

NEW MEXICO.

Carson.—_____, forest supervisor, Taos (WU); L. R. De Camp, deputy forest supervisor, acting in charge.

Coronado.—See Arizona.

Datil.—AUSBURN H. DOUGLAS, forest supervisor, Magdalena (WU, P); Robert Munro, national forest examiner; Thomas C. Turk, deputy forest supervisor.

Gila.—FREDERIC WINN, forest supervisor, Silver City (WU, P); James A. Scott, deputy forest supervisor.

Lincoln.—O. F. ARTHUR, forest supervisor, Alamogordo (WU); William J. Anderson, deputy forest supervisor.

Manzano.—JAMES F. MULLEN, forest supervisor, Albuquerque (WU, P); L. J. Putsch, deputy forest supervisor.

Santa Fe.—JOSEPH C. KIRCHER, forest supervisor, Santa Fe (WU, P); Earl W. Loveridge, deputy forest supervisor; Gordon T. Backus, forest examiner. Las Gallinas Nursery, Herman Krauch, forest examiner.

DISTRICT 4.

INTERMOUNTAIN DISTRICT.

Utah, southern Idaho, western Wyoming, eastern and central Nevada, and northwestern Arizona. Office, Forest Service Building, Ogden, Utah.

L. F. KNEIPP, district forester.

LAW.—Office of the Solicitor (Forest Service branch). J. F. LAWSON, assistant to the solicitor, in charge.

ACCOUNTS.—HOMER A. SEIP, district fiscal agent.

OPERATION.—VERNON METCALF, assistant district forester; CHAS. D. SIMPSON, acting assistant district forester; JAMES E. SCOTT, national forest inspector, executive assistant; R. B. ADAMS, telephone engineer.

MAINTENANCE.—CLYDE M. GWIN.

SILVICULTURE.—C. B. MORSE, assistant district forester; D. F. SEEREY, logging engineer; S. S. STEWART, forest examiner.

PLANTING.—E. H. HALL, in charge. Cottonwood Nursery, N. J. FEHROLF, planting assistant, in charge, Sugarhouse, Utah.

GRAZING.—C. N. WOODS, assistant district forester; ERNEST WINKLER, inspector of grazing; S. B. LOCKE, forest examiner, fish and game.

STUDIES.—LAWRENCE J. PALMER, grazing examiner.

LANDS.—C. N. WOODS, assistant district forester; R. E. GERY, assistant; W. B. RICE, in charge of entry surveys.

RESEARCH.—C. F. KORSTIAN, forest examiner, in charge.

ENGINEERING.—J. P. MARTIN, district engineer; F. J. RYDER, administrative assistant.

MAPS AND SURVEYS.—O. C. LOCKHART, Jr., in charge.

Drafting.—F. I. SHAFER, in charge.

ROADS.—J. P. MARTIN, in charge; H. G. MCPHETERS and E. C. ROSS, assistants.

WATER POWER.—J. P. MARTIN, in charge.

EXPERIMENT STATION.

Great Basin, Manti National Forest.—ARTHUR W. SAMPSON, plant ecologist, in charge; F. S. Baker, forest examiner, Ephraim, Utah.

NATIONAL FORESTS.

ARIZONA.

Dixie.—See Utah.

Kaibab.—JOHN C. ROAK, forest supervisor, Kanab, Utah (WU).

IDAHO.

Boise.—E. GRANDJEAN, forest supervisor, Boise (WU); Lyle F. Watts, deputy forest supervisor.

Cache.—See Utah.

Caribou.—EARL C. SANFORD, forest supervisor, Montpelier (WU); G. G. Henderson, deputy forest supervisor.

Challis.—DAVID LAING, forest supervisor, Challis (WU).

Idaho.—WALTER G. MANN, forest supervisor, McCall (WU, P).

Lemhi.—CHAS. F. EVANS, forest supervisor, Mackay (WU).

Minidoka.—W. M. CAMPBELL, forest supervisor, Burley (WU); J. W. Stokes, deputy forest supervisor.

Payette.—GUY B. MAINS, forest supervisor, Emmett (WU); F. S. Moore, deputy forest supervisor.

Salmon.—S. C. SCRIBNER, forest supervisor, Salmon (WU); Ernest A. Renner, deputy forest supervisor.

- Sawtooth.**—M. S. BENEDIET, forest supervisor, Hailey (WU); Leslie E. Dodge and C. M. Mangun, deputy forest supervisors.
- Targhee.**—SAM'L W. STODDARD, forest supervisor, St. Anthony (WU); John N. Kinney, deputy forest supervisor.
- Weiser.**—J. B. LAFFERTY, forest supervisor, Weiser (WU); T. V. Pearson, deputy forest supervisor.

NEVADA.

- Humboldt.**—C. E. FAVRE, forest supervisor, Elko (WU); Oscar W. Mink, deputy forest supervisor.
- Nevada.**—ALEXANDER MCQUEEN, forest supervisor, Ely (WU).
- Toiyabe.**—JAS. W. MCGOWAN, forest supervisor, Austin (WU, P).

UTAH.

- Ashley.**—W. M. ANDERSON, forest supervisor, Vernal (WU).
- Cache.**—E. C. SHEPARD, forest supervisor, Logan (WU); Edmund B. S. Spencer, deputy forest supervisor.
- Dixie-Sevier.**—WM. M. MACE, forest supervisor, Cedar City (WU); Wallace M. Riddle, deputy forest supervisor.
- Fillmore.**—JOHN RAPHAEL, forest supervisor, Richfield (WU); A. M. Woodbury, deputy forest supervisor.
- Fishlake.**—C. A. MATTESSON, forest supervisor, Salina (WU).
- La Sal.**—CHAS. DEMOISEY, Jr., forest supervisor, Moab (WU).
- Manti.**—J. W. HUMPHREY, forest supervisor, Ephraim (WU).
- Minidoka.**—See Idaho.
- Powell-Sevier.**—GEO. H. BARNEY, forest supervisor, Widtsoe (WU).
- Uinta.**—W. W. BLAKESLEE, forest supervisor, Provo (WU); R. D. Garver, forest examiner.
- Wasatch.**—DANA PARKINSON, forest supervisor, Salt Lake City (WU, P); David A. Arrivee, deputy forest supervisor; Louis B. Koch, scaler, in charge of Standard Timber Co. sale.

WYOMING.

- Bridger.**—LEE E. COOPER, forest supervisor, Pinedale (WU); E. E. McKee, deputy forest supervisor.
- Teton.**—A. C. MCCAIN, forest supervisor, Jackson (WU).
- Wyoming.**—CHARLES A. BEAM, forest supervisor, Afton (WU).

DISTRICT 5.

CALIFORNIA DISTRICT.

California and southwestern Nevada. Office, 114 Sansome Street, San Francisco, Calif.

COERT DUBOIS, district forester.

ECONOMIC STUDIES.—C. A. KUPFER.

INFORMATION.—R. F. HAMMATT, in charge; J. D. MAXFIELD, in charge exhibits.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge.

ACCOUNTS.—A. W. SMITH, district fiscal agent.

OPERATION.—DON P. JOHNSTON, assistant district forester; CLARENCE WILEY, national forest inspector; PAUL P. PITCHLINN, forest supervisor.

IMPROVEMENT.—EVAN W. KELLY, national forest examiner, in charge.

TELEPHONE ENGINEERING.—F. H. HAFLEY, telephone engineer.

MAINTENANCE.—FRANK HAYNIE.

LAW ENFORCEMENT.—C. L. HILL, forest examiner, in charge. Field Investigations, C. V. BRERETON, national forest examiner.

SILVICULTURE.—T. D. WOODBURY, assistant district forester.

LOGGING ENGINEERING.— ——.

TIMBER SALES.—J. C. ELLIOTT, lumberman.

TIMBER SURVEYS.—O. M. EVANS, forest examiner.

PLANTING AND FOREST INVESTIGATIONS.—S. B. SHOW, E. N. MUNNS.

INSECT CONTROL.—RALPH HOPPING, national forest examiner.

FOREST PATHOLOGY.—E. P. MEINECKE, consulting pathologist; J. S. BOYCE, H. G. LACHMUND, ARTHUR S. RHOADS, R. A. STUDHALTER, N. REX HUNT, assistants.

GRAZING.—C. E. RACHFORD, assistant district forester.

STUDIES.—F. D. DOUTHITT, grazing examiner.

LANDS.—L. A. BARRETT, assistant district forester; GEORGE MILLER, national forest examiner.

MINERAL EXAMINATION, LAND CLASSIFICATION, AND ENTRY SURVEYS.—W. H. FRIEDHOFF, mineral examiner in charge of field work.

ENGINEERING.—F. H. FOWLER, district engineer; J. C. DORT, assistant district engineer; F. A. LAW, administrative assistant.

MAPS AND SURVEYS.—S. W. WYNNE, forest examiner, in charge; PERCY L. DAY, S. N. STONER, field surveys.

Drafting.—H. A. SEDELMAYER, acting.

ROADS.—F. H. FOWLER, in charge.

WATER POWER.—F. H. FOWLER, in charge.

NATIONAL FORESTS.

CALIFORNIA.

- Angeles.**—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P).
- California.**—J. D. COFFMAN, forest supervisor, Alder Springs via Willows (WU); B. H. Mace, deputy forest supervisor.
- Cleveland.**—M. R. TILLOTSON, forest supervisor, San Diego (WU).
- Eldorado.**—EDWARD I. KOTOK, forest supervisor, Placerville (WU).
- Inyo.**—C. E. JORDAN, forest supervisor, Bishop (WU).
- Klamath.**—W. A. HUESTIS, forest supervisor, Yreka (WU); Sherley W. Allen, forest examiner.
- Lassen.**—C. E. DUNSTON, forest supervisor, Red Bluff (WU); T. C. West, deputy forest supervisor; A. E. Weislander, forest examiner.
- Modoc.**—W. G. DURBIN, forest supervisor, Alturas (WU).
- Mono.**—See Nevada.
- Plumas.**—D. N. ROGERS, forest supervisor, Quincy (WU); George R. Orr, lumberman.
- Santa Barbara.**—J. R. HALL, forest supervisor, Santa Barbara (P).
- Sequoia.**—F. P. CUNNINGHAM, forest supervisor, Hot Springs (WU); Wm. F. Derby, deputy forest supervisor.
- Shasta.**—N. H. SLOANE, forest supervisor, Sisson (P); Belknap C. Goldsmith, forest examiner. Pilgrom Creek Nursery, Roscoe Weaver, forest examiner.
- Sierra.**—M. A. BENEDICT, forest supervisor, Northfork (WU via Friant-Exp. via Friant).
- Stanislaus.**—J. V. WULFF, forest supervisor, Sonora (WU).
- Tahoe.**—R. L. P. BIGELOW, forest supervisor, Nevada City (WU); Geo. W. Lyons, forest examiner.
- Trinity.**—E. V. JOTTER, forest supervisor, Weaverville (WU).

NEVADA.

- Eldorado.**—See California.
- Inyo.**—See California.
- Mono.**—WM. M. MAULE, forest supervisor, Minden (WU).
- Tahoe.**—See California.

DISTRICT 6.

NORTH PACIFIC DISTRICT.

Washington, Oregon, and Alaska. Office, Post Office Building, Portland, Oreg.

GEO. H. CECIL, district forester; A. G. JACKSON, education.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge.

ACCOUNTS.—H. I. LOVING, district fiscal agent.

OPERATION.—A. O. WAHA, assistant district forester; M. L. MERRITT, forest examiner, improvements; C. M. ALLEN, telephone engineer; SHIRLEY BUCK and H. M. WHITE, national forest inspectors; W. B. OSBORNE, Jr., forest examiner, fire protection; H. L. PLUMB, forest examiner, trails.

MAINTENANCE.—H. G. WHITNEY.

INSPECTION (Protection of Oregon & California Railroad lands and cooperation under Weeks law).—R. H. CHAPLER, forest examiner.

SILVICULTURE.—THORNTON T. MUNGER, forest examiner, in charge.

LOGGING ENGINEERING.—BRUCE E. HOFFMAN, GEO. L. DRAKE, and B. F. HEINTZLEMAN, forest examiners.

CHECK SCALING.—E. C. ERICKSON, lumberman.

TIMBER SURVEYS AND WORKING PLANS.—E. J. HANZLIK, C. J. CONOVER, and GEORGE A. BRIGHT, forest examiners.

INSECT CONTROL.—A. J. JAENICKE, forest examiner.

PLANTING AND FOREST INVESTIGATIONS.—J. F. KÜMMEL, W. H. LEVE, and R. H. WEITKNECHT, forest examiners.

GRAZING.—E. N. KAVANAGH, assistant district forester; J. L. PETERSON, grazing examiner.

STUDIES.—D. C. INGRAM, grazing examiner.

LANDS.—C. J. BUCK, assistant district forester.

CLAIMS AND STATIONS.—T. M. TALBOTT, national forest examiner.

LAND CLASSIFICATION (ALASKA).—ASHER IRELAND and WELLMAN HOLBROOK.

SETTLEMENT.—A. H. WRIGHT, national forest examiner.

RECREATION.—FRED W. CLEATOR, deputy forest supervisor.

LAND EXCHANGES.—WM. RYLE TEED, national forest examiner.

MINERAL EXAMINATION.—W. M. H. WOODWARD, mineral examiner.

ENGINEERING.—PHILIP H. DATER, district engineer; D. V. STROOP, administrative assistant.

MAPS AND SURVEYS.—H. D. FOSTER, forest examiner.

Drafting.—_____.

Surveys.—_____.

ROADS.—PHILIP H. DATER, in charge; CECIL A. LORD.

WATER POWER.—PHILIP H. DATER.

PRODUCTS.—W. H. GIBBONS, forest examiner in charge; C. W. GOULD, forest examiner, Portland; C. W. ZIMMERMAN and H. C. STINSON, engineer and assistant engineer in forest products, Seattle.

EXPERIMENT STATION.

Wind River, Columbia National Forest.—JULIUS V. HOFMANN, forest examiner, in charge, Stabler, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—C. H. FLORY, superintendent of Alaska Forests, Ketchikan (SC, U. S. A., WU); C. T. Beach, forest supervisor, Cordova (WU, P).

Tongass.—C. H. FLORY, forest supervisor, Ketchikan (SC, U. S. A., WU).

OREGON.

Cascade.—R. S. WALLACE, acting forest supervisor, Eugene (WU, P).

Crater.—H. B. RANKIN, forest supervisor, Medford (WU, P); Fred A. Matz, national forest examiner; H. M. Johnson, forest examiner.

Deschutes.—NORMAN G. JACOBSON, forest supervisor, Bend (WU, P); H. E. Vincent, deputy forest supervisor; W. J. Sproat, forest examiner; F. V. Horton, grazing examiner.

Fremont.—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev., P); R. A. Bradley and D. F. Brennan, deputy forest supervisors.

Klamath.—See California.

Malheur.—CY. J. BINGHAM, forest supervisor, John Day (WU via Baker-Exp. via Baker).

Minam.—R. M. EVANS, forest supervisor, Baker (WU); J. F. Irwin, deputy forest supervisor.

Ochoco.—V. V. HARPHAM, forest supervisor, Prineville (WU, PT & T); Douglas C. Ingram, grazing examiner.

Oregon.—T. H. SHERRARD, forest supervisor, Portland (WU, P); Carl B. Neal, deputy forest supervisor.

Santiam.—C. C. HALL, forest supervisor, Albany (WU, P).

Siskiyou.—N. F. MACDUFF, forest supervisor, Grants Pass (WU, P); T. M. Hunt, deputy forest supervisor; H. A. Haefner, forest examiner.

Siuslaw.—RALPH S. SHELLEY, forest supervisor, Eugene (WU, P).

Umatilla.—W. W. CRYDER, forest supervisor, Pendleton (WU, P).

Umpqua.—S. C. BARTRUM, forest supervisor, Roseburg (WU, P); George Bonebrake, deputy forest supervisor.

Wallowa.—H. W. HARRIS, forest supervisor, Wallowa (WU); N. J. Billings, deputy forest supervisor; A. R. Wilcox, forest examiner.

Wenaha.—See Washington.

Whitman.—R. M. EVANS, forest supervisor, Baker (WU); I. E. Jones, deputy forest supervisor; Walter L. Dutton, grazing examiner.

WASHINGTON.

Chelan.—E. H. MACDANIELS, forest supervisor, Chelan (PT & T-Exp. via Wenatchee); E. O. Blankenship, deputy forest supervisor.

- Columbia.—F. H. BRUNDAGE, forest supervisor, Portland, Oreg. (WU, P).
 Colville.—C. C. REID, forest supervisor, Republic (WU, P).
 Okanogan.—P. T. HARRIS, forest supervisor, Okanogan (PT & T-Exp. via Wenatchee); G. E. Mitchell, deputy forest supervisor.
 Olympic.—R. L. FROMME, forest supervisor, Olympia (WU, P); Chris Morgenroth, deputy forest supervisor; A. A. Griffin and O. F. Ericson, forest examiners.
 Rainier.—G. F. ALLEN, forest supervisor, Tacoma (WU, P); E. J. Fenby, deputy forest supervisor; F. B. Kellogg, forest examiner.
 Snoqualmie.—W. G. WEIGLE, forest supervisor, Seattle (WU, P); Lewis A. Treen, jr., forest supervisor.
 Washington.—C. H. PARK, forest supervisor, Bellingham (WU, P); R. L. Campbell, deputy forest supervisor.
 Wenaha.—JOHN C. KUHNS, forest supervisor, Walla Walla (WU).
 Wenatchee.—A. H. SYLVESTER, forest supervisor, Leavenworth (WU).
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DISTRICT 7.

EASTERN DISTRICT.

Arkansas, Alabama, Florida, Oklahoma, South Carolina, Georgia, North Carolina, Tennessee, Virginia, West Virginia, New Hampshire, Maine, Porto Rico. Office, Atlantic Building, Washington, D. C.

F. W. REED, district forester.

ACCOUNTS.—J. H. KERRICK, district fiscal agent.

OPERATION, } H. O. STABLER, assistant district forester; JOHN ENGINEERING, } W. FOX, assistant engineer; R. C. HUEY, roads.

SILVICULTURE.—I. F. ELDREDGE, assistant district forester.

GRAZING, } F. W. REED, district forester; W. F. HILL, national forest lands, } est examiner.

NATIONAL FORESTS.

ALABAMA.

Alabama.—BURLEY M. LUFBURROW, forest ranger in charge, Moulton.

ARKANSAS.

Arkansas.—CHAS. A. PLYMALE, forest supervisor, Hot Springs (WU, P); Wm. E. White, deputy forest supervisor.

Ozark.—BEN F. VAUGHAN, forest supervisor, Russellville (WU).

FLORIDA.

Florida.—L. L. BISHOP, forest supervisor, Pensacola (WU, P); C. H. Rogers, deputy forest supervisor.

GEORGIA.

Georgia.—See Tennessee.

Savannah.—See North Carolina.

MAINE.

White Mountain.—See New Hampshire.

NEW HAMPSHIRE.

White Mountain.—J. J. FRITZ, forest supervisor, Gorham (WU, P); E. D. Fletcher, national forest examiner.

NORTH CAROLINA.

Pisgah (includes Boone, Mount Mitchell, north half of Nantahala, and Pisgah purchase areas and Pisgah National Forest and Game Preserve).—VERNE RHOADES, forest supervisor, Asheville (WU, P); W. J. Damtoft and Ira T. Yarnall, forest examiners.

Savannah (includes south half of Nantahala and the Savannah purchase areas).—R. W. SHIELDS, forest supervisor, Franklin (WU, P); E. J. Mead, forest examiner.

OKLAHOMA.

Wichita.—FRANK RUSH, forest supervisor, Cache (WU).

PORTO RICO.

Luquillo.—E. MURRAY BRUNER, forest examiner, in charge, Rio Piedras.

SOUTH CAROLINA.

Savannah.—See North Carolina.

TENNESSEE.

Cherokee-Georgia.—H. G. SPAHR, forest supervisor, Athens (WU, P); C. E. Beaumont, forest supervisor.

White Top (includes Unaka and White Top purchase areas).—H. L. RUSSELL, forest supervisor, Johnson City (WU, P); W. E. Hedges, national forest examiner.

VIRGINIA.

Natural Bridge.—J. H. FAHRENBACH, forest supervisor, Buena Vista (WU, P); H. M. Sears, forest examiner.

Shenandoah (includes Shenandoah, Massanutton, and Potomac purchase areas).—S. H. MARSH, forest supervisor, Harrisonburg (WU, P).

White Top.—See Tennessee.

WEST VIRGINIA.

Monongahela.—H. L. JOHNSON, forest examiner, in charge, Elkins (WU, P).

SERVICE CHANGES.

APPOINTED.

RESEARCH.—Wilbur R. Mattoon, forest examiner (by transfer from States Relations Service).

LABORATORY.—Donald E. Cable and Carl A. Menzel, assistant engineers in forest products; Calvin L. Bachelder, assistant chemist in forest products; John M. Gahagen, laboratory aid and engineer.

DISTRICT 1.—A. R. Steege, Flathead; Joseph F. Mahoney, St. Joe; Gerhard Kempff, Kaniksu; Fred Millwood, Coeur d'Alene; Aarel E. Sexton, Missoula; Arthur E. Byers and Henry K. Nichols, Cabinet; A. W. Kurtz, Deerlodge; Ashton V. Kunkel, Nezperce; Ward M. Stoltz, Sioux, forest rangers. Perry E. Bates, Kaniksu; Angus R. McDonald, Coeur d'Alene; Robert E. Dow, St. Joe, scalers. Max J. Gleissner, Blackfeet, forest assistant. Anna A. Wagner and Marie G. Martin, Deerlodge, clerks (stenographers and typewriters). Gertrude E. Ward and Mary E. Turrell, clerks (typewriters). Fay G. Clark (reinstatement), forest supervisor.

DISTRICT 2.—George P. Lang, Hayden; Victor H. Frey (reinstatement). Holy Cross; Julian P. Nordlund, Leadville, forest clerks. Hazel Wilson, Medicine Bow, clerk (stenographer and typewriter). Charles M. Hall, Washakie, clerk (stenographer). Oliver Robertson, Fremont Experiment Station; Elmer L. Davis, Battlement; Edwin L. Miller, Gunnison; Marion S. Hulse, Shoshone, forest rangers. Roger V. Brewster, Ray B. Sims, surveyor-draftsmen. Daniel G. O'Reardon, draftsman.

DISTRICT 3.—Aldo Leopold, assistant district forester. Richard T. Ross, Carson; Clyde E. Thomson, Coconino, scalers. Evan W. Hadley, Carson, forest ranger; Clement L. Lincoln, Coconino, forest clerk; Sue Lionbarger, Sitgreaves, clerk; Kasimir J. Szyperski, Tonto, clerk (typewriter); Doris J. Boren and Margery M. Kerr, clerks (stenographers and typewriters). Jacob C. Mulder, classifier (transfer); Nelson F. Newman, surveyor.

DISTRICT 4.—Roy H. McDougall (reinstated) and Frederick L. Mott (reinstated), Toiyabe; Warren C. Taylor (reinstated), Boise, forest rangers. Howard D. Harris (reinstated), Great Basin Experiment Station; Walter L. Priest (reinstated), Sawtooth, forest clerks; Arabella B. Woodgate, Humboldt, typewriter. Thomas G. Reeder, blue printer.

DISTRICT 5.—Robert Scarlett (reinstatement), Plumas; Wesley W. Snider, Sequoia, forest rangers. Lura S. Gyllstrom (reinstatement), Cleveland, forest clerk. Jane L. Curtis (reinstatement), clerk (stenographer and typewriter). Clara L. Lund, messenger girl. Don M. Hoffman, surveyor-draftsman.

DISTRICT 6.—Lloyd T. Hougland, Colville; Donald G. Knox and Elmer F. Patterson, Siuslaw; Charles J. Ayres, Deschutes, forest rangers. Willard A. Steiner, Okanogan, forest clerk. Benjamin A. Eddy, surveyor; Helen Ulin, clerk (stenographer and typewriter); Leola A. Blount, clerk.

PROMOTED IN RANK.

DISTRICT 1.—Wm. L. Lay and John C. DeCamp. Gallatin, forest rangers to deputy forest supervisors. Fred E. Brown, Cabinet; A. J. Devan, Bitterroot; Ray R. Fitting, Pend Oreille; A. J. Roche, St. Joe; Frank Foltz, Missoula; Charles J. Hash, Flathead, forest rangers to fire assistants. James F. Brooks, Blackfeet; Roy P. Edwards, forest rangers to national forest examiners. Geo. W. Jones and Claude E. Sutton, Blackfeet; E. J. Yeomans, Lolo, forest rangers to forest examiners. Wm. J. McCarthy, Jefferson, forest assistant to forest ranger. Paul C. Kitchin and V. C. Sheffield, Coeur d'Alene, forest assistants to forest examiners. Arthur M. Baum, Beartooth, deputy forest supervisor to forest supervisor. H. A. Calkins and James B. Yule, surveyor-draftsmen to assistant engineers. Joseph A. Fitzwater, forest supervisor to forest examiner. Lewis C. Stockdale, forest supervisor to national forest examiner. Frank J. Jefferson, fire assistant, Clearwater, to forest supervisor, Selway.

DISTRICT 2.—John V. Leighou, Harney, forest ranger to forest examiner. James C. Jensen, Medicine Bow, scaler to lumberman. Earl W. Tinker, forest examiner to forest supervisor. Joseph A. Donery, forest ranger to lumberman.

DISTRICT 3.—Raymond E. Marsh, forest supervisor to assistant district forester. James A. Scott, Gila, deputy forest supervisor to forest supervisor; Robert Thompson, Coronado, forest ranger to deputy forest supervisor; Serrin S. Van Boskirk, Fort Valley Experiment Station, and Stanley F. Wilson, Coronado, forest rangers to forest examiners. William T. Doherty, Santa Fe, scaler to national forest examiner; Wayne Russell, Tusayan, scaler to lumberman. Wm. H. Gill, draftsman to national forest examiner.

DISTRICT 5.—Wm. F. Derby, Sequoia, forest ranger to deputy forest supervisor; J. V. Wulff, Stanislaus, lumberman to forest supervisor; Duncan Dunning, forest assistant to forest examiner; Sedman W. Wynne, forest supervisor to forest examiner.

DISTRICT 6.—Robert A. Zeller, Tongass, forest assistant to forest examiner; Frank B. Lenzie, Wenatchee, forest ranger to grazing examiner; Claude W. Waterbury, Whitman, scaler to lumberman; Bruce E. Hoffman, forest examiner to logging engineer.

DISTRICT 7.—Charles A. Plymale, Arkansas, deputy forest supervisor to supervisor; Ben F. Vaughan, Ozark, national forest examiner to forest supervisor; William E. White, forest examiner to deputy forest supervisor.

CHANGE IN DESIGNATION.

DISTRICT 1.—Elers Koch, Lolo, forest supervisor to forest examiner.

DISTRICT 2.—Arthur M. Cook, forest supervisor to forest examiner.

DISTRICT 3.—H. Basil Wales, Coronado, and Robert L. Deering, Prescott, forest examiners to forest supervisors.

DISTRICT 5.—Jonathan M. Stark, forest guard to forest ranger; Benjamin J. Hoffner, forest clerk to forest ranger.

DISTRICT 6.—Carl B. Neal, Oregon, deputy forest supervisor to fire assistant; Charles H. Flory, Chugach-Tongass, assistant district forester to forest supervisor; Alpheus O. Waha, forest inspector to assistant district forester.

RESIGNED.

LABORATORY.—Henry E. Surface and Harry P. Burden, engineers in forest products; Rufus Crane, assistant engineer in forest products; Nils B. Eckbo, forest examiner; Robert B. Lebo, assistant chemist; Horace T. Burgess, computing specialist; Leroy P. Elliott, industrial specialist.

DISTRICT 1.—C. H. Adams, assistant district forester. Chas. L. Howell, Selway; Roscoe Haines, St. Joe, forest supervisors. James E. Williss, Madison; Roy T. Mills and George A. Perry, Flathead; Cassius H. Hurst and Lou Brundage, Nezperce; Arthur E. Byers, Cabinet; Robert C. Clark and Claude R. Townsend, Lewis and Clark; Charles S. Mathews, Deerlodge; H. B. Brown, Blackfeet; Justin K. Dwinelle, Kootenai; Carl J. Simon, Helena, forest rangers. Max J. Gleissner, Coeur d'Alene; forest assistant. W. W. Bennett, Lolo; deputy forest supervisor. Anna H. Bridwell, Helena; Mrs. Louise M. Anderson, Blackfeet; Irene A. Garland, Flathead; Marie G. Martin, Mary S. Hall, Alice L. Weise, and Agnes Carter, Deerlodge; Jessie L. Patten, clerks (stenographers and typewriters). Blanche D. Sims and Edith M. Cline, Cabinet; clerks (typewriters). L. W. Beaman, messenger boy.

DISTRICT 2.—Raymond W. Allen, Shoshone, forest supervisor. Percy T. Smith, Black Hills; Bernard E. Leete, Harney, forest examiners. William J. Trembath, Superior, forest clerk. Alice G. Judson, Montezuma, clerk (stenographer and typewriter). Lee R. Semones, Bighorn; Earl H. Hitch, Pike, clerks (typewriters). James G. Cayton, Battlement; Fred L. Martin, Medicine Bow; Edward H. Stickney, Michigan; Frank P. Sobey and Roy M. Truman, Pike; Raymond P. Inskeep, Rio Grande; Holland Coleman, San Isabel; Verner Moore and Fred R. Thomas, Shoshone; John A. Cox, Sopris, forest rangers. Robert M. Guinaer, superintendent of construction. Herbert F. Hedge, draftsman (copyist-topographic). Mrs. Anna Clover, clerk (stenographer and typewriter).

DISTRICT 3.—H. H. Chapman, assistant district forester. Charles L. Rak, Coronado, deputy forest supervisor. Lewis H. Lynch, Carson; Leroy Eugene Gardner, Crook; Ralph W. Hussey, Coconino; Lyman H.

Taft, jr., Lincoln; Louis H. Waters, Manzano; Fred Haworth, Prescott; Leonard D. Blodgett, Santa Fe, forest rangers. Joseph A. Barrett, forest clerk; Dorris Claire Hooppaw, clerk (stenographer and typewriter); Jennie V. Asselin, Coconino, clerk (typewriter). John H. Allison, forest examiner.

DISTRICT 4.—Jack Albano, Targhee; Pearl W. Haines, Cache; Carl S. Kennedy, Salmon; Joseph Louis Sheppard, Wasatch; Fred L. Smith, Teton; Clarence Wyatt, Toiyabe, forest rangers. Marion Berlin, Humboldt; Cynthia Johnston and Lillie M. Raymer, Wasatch; Lewis R. Walgren, Sawtooth, forest clerks.

DISTRICT 5.—A. W. Bramwell, Modoc; R. P. Box, Shasta; William Garrett, Trinity, forest rangers. J. O. Morrow, Lassen, forest supervisor. Edwin H. Steffen, Klamath, forest examiner. Ulrich Graff, topographic draftsman. Ethel K. Kinnear, clerk (stenographer and typewriter). Swift Berry and Dwight C. Birch, logging engineers.

DISTRICT 6.—Albert L. Peachey, Crater; John C. Christian, Deschutes; George T. McCaskie, jr., and Otto Weaver, Siuslaw; Rolland Huff, Whitman; Alan K. Moody, Olympic; James Frankland, forest rangers. R. E. Kan Smith, Wenatchee, forest examiner. Florence E. Barnhart and Nora Ostrander, clerks (stenographers and typewriters).

DISTRICT 7.—R. C. Hall, forest examiner. J. St. J. Benedict, Pisgah, and Eugene L. Lindsey, Arkansas, forest examiners. Charles J. Heller, Arkansas, forest supervisor. Claude H. Parks, Pisgah, and John D. Lawrence, Arkansas, forest rangers. Lyle A. Whitsit, assistant engineer.

With deep regret announcement is made of the death of W. Leonard Brady, clerk, Washington office, September 22; John Snider, forest guard, Eldorado, August 21.

SERVICE NOTES FOR OCTOBER.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

LAW.

OFFICE OF THE SOLICITOR.

Law Cases in District 1—

United States *v.* Burtt Sheep & Cattle Co.; Grazing trespass, civil, Helena National Forest. Case closed upon payment by trespasser of \$84.95, value of forage consumed.

United States *v.* A. B. Cook: Grazing trespass, civil, Helena National Forest. Case closed upon payment by trespasser of \$24.72, value of forage consumed.

United States *v.* Hansen Brothers: Grazing trespass, civil, Helena National Forest. Case closed upon payment by trespasser of \$31.75, value of forage consumed and expenses of working up case.

United States *v.* J. W. Jenkins: Grazing trespass, civil, Helena National Forest. Case closed upon payment by trespasser of \$11.31, value of forage consumed.

United States *v.* J. E. Kirschbaum: Grazing trespass, civil, Helena National Forest. Case closed upon payment by trespasser of \$15, value of forage consumed and cost of preparing case.

United States *v.* Philip Mockel: Grazing trespass, civil, Helena National Forest. Case closed upon payment by trespasser of \$16.24, value of forage consumed and cost of preparing case.

United States *v.* G. V. Patterson: Grazing trespass, civil, Beaverhead National Forest. Case closed upon payment by trespasser of \$100, value of forage consumed and damage done.

State of Montana *v.* George Dall: Fire trespass, criminal, Beaverhead National Forest. Defendant entered plea of guilty of violation of Montana State fire law. Fined \$50. Case closed.

State of Montana *v.* James Kabble: Fire trespass, criminal, Beaverhead National Forest. Defendant entered plea of guilty of violation of Montana State fire law. Fined \$50. Case closed.

State of Idaho *v.* Jules Perrin: Fire trespass, criminal, Nezperce National Forest. Defendant pleaded guilty of leaving camp fire unextinguished. Fined \$50 and costs. Case closed.

State of Montana *v.* D. Brown: Obtaining property under false pretense, Bitterroot National Forest. Defendant pleaded guilty and was fined \$20. Case closed.

State of Montana v. C. O. Cook: Obtaining property under false pretense, Bitterroot National Forest. Defendant pleaded guilty and was fined \$20. Case closed.

State of Montana v. Harry Duval: Obtaining property under false pretense, Bitterroot National Forest. Defendant pleaded guilty and was fined \$20. Case closed.

State of Montana v. Thomas Rice: Obtaining property under false pretense, Bitterroot National Forest. Defendant pleaded guilty and was fined \$20. Case closed.

State of Idaho v. Joe Boissonsau: Fraudulently obtaining transportation from Government, Selway National Forest. Defendant fined \$25 and costs. Case closed.

State of Idaho v. J. W. Nelson: Fraudulently obtaining transportation from Government. Defendant fined \$25 and costs. Case closed.

United States v. Philip Mockel: Grazing trespass, civil, Helena National Forest. Case closed upon payment by trespasser of \$15.30, value of forage consumed and exemplary damages.

United States v. Schiavon Bros.: Timber trespass, civil, Helena National Forest. Case closed upon payment by trespasser of \$31.25, value of timber cut.

State of Idaho v. J. E. Warren: Fire trespass, criminal, Selway National Forest. Defendant pleaded guilty to charge of leaving fire unextinguished. Fined \$10 and costs. Case closed.

State of Montana v. J. L. Cox: Fire trespass, criminal, Kootenai National Forest. Defendant pleaded guilty to charge of burning slash without permit. Fined \$25 and costs. Case closed.

State of Montana v. Alex and Bob Harvey: Fire trespass, criminal, Kootenai National Forest. Defendants charged with burning slash without permit. Case against Bob Harvey dismissed. Alex Harvey fined \$25 and costs. Case closed.

State of Montana v. Ed Heinberg: Fire trespass, criminal, Kootenai National Forest. Defendant pleaded guilty to charge of burning slash without permit. Fined \$25 and costs. Case closed.

State of Montana v. Zone E. Jenkins: Fire trespass, criminal, Flathead National Forest. Defendant pleaded guilty to charge of burning slash without permit. Fined \$10. Case closed.

State of Montana v. Frank B. Lyon: Fire trespass, criminal, Cabinet National Forest. Defendant pleaded guilty to charge of burning slash without permit. Fined \$10 and costs. Case closed.

State of Montana v. James Moore: Fire trespass, criminal, Cabinet National Forest. Defendant charged with setting fire on land not his own. Found not guilty. Case closed.

State of Montana v. George Moyer: Fire trespass, criminal, Blackfeet National Forest. Defendant pleaded guilty to charge of burning slash without permit and was fined \$25. Case closed.

State of Montana *v.* William B. Russel, jr., and Herbert Hauk: Fire trespass, criminal, Cabinet National Forest. Defendants pleaded guilty of leaving camp fire unextinguished. Each man fined \$10 and costs. Case closed.

United States *v.* Ban Nartea: Grazing trespass, criminal, Helena National Forest. Case called, but defendant failed to appear, and court ordered his bond of \$100 forfeited and directed that bench warrant issue.

Law Cases in District 2—

United States *v.* California-Newcastle Mining Co.: Fire trespass, White River National Forest. Case closed upon payment of \$97.11, actual damages.

United States *v.* Colorado, Wyoming & Eastern Railroad Co.: Fire trespass, Colorado National Forest. Compromise offer of settlement, as outlined in last number of Field Program, accepted by the Solicitor of the Treasury and case closed.

United States *v.* Colorado, Wyoming & Eastern Railroad Co.: Fire trespass, Medicine Bow National Forest. Compromise offer of settlement, as outlined in last number of Field Program, accepted by the Solicitor of the Treasury and case closed.

United States *v.* Diamanti, Kaddas & Juflus: Grazing trespass, Gunnison National Forest. Case closed upon payment of \$30, actual damages.

United States *v.* W. J. and O. L. Sanderson: Grazing trespass, Rio Grande National Forest. Case closed upon payment of \$112.50, actual damages.

United States *v.* L. G. Caldwell: Occupancy trespass, Arapahoe National Forest. Case closed on advice of forest supervisor that the final clean-up of brush would be attended to by the Forest Service in the fall.

United States *v.* Safe Investment Gold Mining & Milling Co.: Suit to cancel patent, Black Hills National Forest. Case closed on advice of Attorney General to the Secretary of Agriculture that it was thought there was no reasonable hope of avoiding the effect in the Supreme Court of the concurring findings of the two lower courts on the question of fraudulent intent.

United States *v.* Chicago & North Western Railroad Co.: Fire trespass, Black Hills National Forest. Case postponed until May term of court.

United States *v.* Colorado, Wyoming & Eastern Railroad Co.: Fire trespass, Medicine Bow National Forest. Compromise offer of settlement made, covering the three separate fires involved. The offer was referred to the Forester with the recommendation that it be accepted.

United States *v.* Fall River Power Co.: Occupancy trespass, Pike National Forest. Case postponed until November term of court.

United States *v.* John Hamilton: Occupancy trespass, Cochetopa National Forest. Bill of complaint filed asking for an injunction to pre-

vent the defendant from occupying National Forest land and maintaining fences upon and around said lands.

United States v. H. A. Holiday: Occupancy trespass, Black Hills National Forest. Bill of complaint filed asking for an injunction to prevent the defendant from occupying National Forest land and buildings thereon.

United States v. Daniel Hope: Occupancy trespass, San Isabel National Forest. Case referred to Forester for submission to the Department of Justice.

United States v. Arthur Harvey: Special, Black Hills National Forest. Bill of complaint prepared and submitted to the United States attorney, asking for an injunction to restrain the defendant from interfering with the sale of timber on unpatented mining claims.

United States v. Frank Sherman: Special, Black Hills National Forest. Bill of complaint prepared and submitted to the United States attorney, asking for an injunction to restrain the defendant from interfering with the sale of timber on unpatented mining claims.

Law Cases in District 3—

United States v. Joe R. Brazil: Grazing trespass, Lincoln National Forest. Case closed on payment of \$33.30, actual damages.

United States v. Campbell, Francis & Co.: Grazing trespass, Prescott National Forest. Case closed on payment of \$24.52, actual damages.

United States v. C. C. and A. W. Chapman: Grazing trespass, Coronado National Forest. Case closed on payment of \$225, actual, and \$50, punitive, damages.

United States v. James T. Fryer: Grazing trespass, Gila National Forest. Case closed on payment of \$120.60, actual damages.

United States v. John Hamlin: Grazing trespass, Gila National Forest. Case closed on payment of \$8, actual damages.

United States v. J. C. Moritz: Grazing trespass, Tusayan National Forest. Case closed on payment of \$9.84, actual damages.

United States v. Manuel Martinez: Grazing trespass, Coronado National Forest. Case closed on payment of \$22.70, actual damages.

United States v. Norton & Ferguson: Grazing trespass, Crook National Forest. Case closed on payment of \$300, actual, and \$100, punitive, damages.

United States v. J. R. Robinson: Grazing trespass, Coconino National Forest. Case closed on payment of \$25.34, actual damages.

United States v. Spellmire & Lyons: Grazing trespass, Prescott National Forest. Case closed on payment of \$15.21, actual damages.

United States v. Jose A. Padilla: Grazing trespass, Manzano National Forest. Case closed on payment of \$67.50, actual damages.

United States v. Remisjio Torres: Grazing trespass, Lincoln National Forest. Case closed on payment of \$33.75, actual damages.

United States v. Daniel W. Campbell: Grazing trespass, Prescott National Forest. Case closed on payment of \$12.38, actual damages.

United States *v.* W. F. Purcell: Grazing trespass, Prescott National Forest. Case closed on payment of \$6.75, actual damages.

United States *v.* Francisco Arballo: Grazing trespass, Coronado National Forest. Case closed on payment of \$181.50, actual damages.

United States *v.* Filiciano Chavez, sr.: Grazing trespass, Lincoln National Forest. Case closed on payment of \$37.50, actual damages.

United States *v.* Harry Henderson & Co.: Grazing trespass, Prescott National Forest. Case closed on payment of \$14.39, actual damages.

United States *v.* Arcadia Leger: Grazing trespass, Sante Fe National Forest. Case closed on payment of \$6.90, actual damages.

United States *v.* Manuel Salcido: Grazing trespass, Coronado National Forest. Case closed on payment of \$41.02, actual damages.

United States *v.* Sopori Land & Cattle Co.: Grazing trespass, Coronado National Forest. Case closed on payment of \$256.28, actual damages.

United States *v.* Mrs. Ora Swope & Sons: Grazing trespass, Lincoln National Forest. Case closed on payment of \$864, actual, and \$250, punitive, damages.

United States *v.* True-Nance Cattle Co.: Grazing trespass, Coronado National Forest. Case closed on payment of \$1,201.80, actual damages.

United States *v.* Aravaca Land & Cattle Co.: Grazing trespass, Coronado National Forest. Case closed on payment of \$2,862, actual, and \$500, punitive, damages.

United States *v.* Chambers & Newman: Grazing trespass, Prescott National Forest. Case closed on payment of \$7.50, actual damages.

United States *v.* Louis Clerou Sheep Co.: Grazing trespass, Prescott National Forest. Case closed on payment of \$17.63, actual damages.

United States *v.* R. R. Gleason: Grazing trespass, Tusayan National Forest. Case closed on payment of \$15, actual damages.

United States *v.* Teofilo Otero: Grazing trespass, Coronado National Forest. Case closed on payment of \$468.60, actual damages.

United States *v.* Carlos Castillo: Grazing trespass, Coconino National Forest. Case closed on payment of \$7.50, actual damages.

United States *v.* Jose Elargo: Grazing trespass. Conconino National Forest. Case closed on payment of \$6.60, actual damages.

United States *v.* Eraso Cruz: Grazing trespass, Coconino National Forest. Case closed on payment of \$25.11, actual damages.

United States *v.* Hart Sheep Co.: Grazing trespass, Coconino National Forest. Case closed on payment of \$7.50, actual damages.

United States *v.* Sawyer & Otundo: Grazing trespass, Coconino National Forest. Case closed on payment of \$7.50, actual damages.

United States *v.* Penasco Lumber Co.: Timber trespass, Lincoln National Forest. Case closed on payment of \$165.34, actual damages.

United States *v.* Juan Chavez: Grazing trespass, Lincoln National Forest. Case closed on payment of \$7.50, actual damages.

United States v. Mrs. Elena Elia: Grazing trespass, Sitgreaves National Forest. Case closed on payment of \$184.25, actual damages.

United States v. Alejandro Maes: Grazing trespass, Lincoln National Forest. Case closed on payment of \$7.50, actual damages.

United States v. Sawyer-Otundo Sheep Co.: Grazing trespass, Prescott National Forest. Case closed on payment of \$17.57, actual damages.

United States v. Will Gray: Grazing trespass, Coconino National Forest. Case closed on payment of \$28, actual damages.

United States v. Etebon & Jose Torrez: Timber trespass, Gila National Forest. Case closed on payment of \$12, actual damages.

United States v. E. R. Chambers: Grazing trespass, Coconino National Forest. Case closed on payment of \$6.88, actual damages.

United States v. De Witt Cosper: Grazing trespass, Apache National Forest. Case closed on payment of \$223.75, actual damages.

United States v. W. D. Parker: Grazing trespass, Coronado National Forest. Case closed on payment of \$406.61, actual damages.

United States v. Francisco Quintana: Grazing trespass, Santa Fe National Forest. Case closed on payment of \$6.60, actual damages.

United States v. Benino Trujillo: Grazing trespass, Santa Fe National Forest. Case closed on payment of \$2.70, actual damages.

United States v. Chapman & Harrison: Grazing trespass, Coronado National Forest. Complaint filed demanding \$1,353.50, actual, and \$300 punitive, damages. Answer denying trespass and damages filed.

United States v. W. H. Dickinson: Grazing trespass, Coconino National Forest. Complaint filed demanding \$607.32, actual damages.

United States v. James G. Van Deren: Grazing trespass, Coconino National Forest. Complaint filed demanding \$1,891, actual damages.

United States v. W. H. Anderson: Timber trespass, Coronado National Forest. Complaint filed demanding \$115.80, actual damages.

United States v. James A. Carey: Grazing trespass, Manzano National Forest. Defendant's motion for new trial overruled. L. H. Claunch, who failed to respond to subpoena as witness in this case, pleaded guilty and was fined \$25.

United States v. Wm. C. Bell: Grazing trespass, Apache National Forest. Execution issued for collection of \$261, actual damages.

United States v. Carl Washburn: Grazing trespass, Coronado National Forest. Defendant filed answer denying trespass and damages.

United States v. Lee S. Miller: Grazing trespass, Coconino National Forest. Temporary injunction issued.

United States v. W. C. Ross: Occupancy trespass, Coconino National Forest. Permanent injunction issued.

In re Ira T. Yarnall (forest supervisor Tusayan National Forest). Application for writ of habeas corpus filed. Notice to show cause, and answer filed.

United States v. John N. Anderson: Indicted for misdemeanor, failure to respond to subpoena issued for his attendance as a witness at hearing on homestead entry contest, Coconino National Forest.

United States *v.* Valentine Aja : Grazing trespass, Prescott National Forest. Plea of guilty. Fined \$50 and case closed.

United States *v.* Estenbun Munios : Grazing trespass, Tusayan National Forest. Plea of guilty. Fined \$50. Defendant in jail in default of payment.

United States *v.* Lucio Aretequi : Grazing trespass, Prescott National Forest. Bond of \$500 forfeited, and bench warrant issued.

United States *v.* Yldefonso Bezunartea : Grazing trespass, Prescott National Forest. Bond of \$500 forfeited and bench warrant issued.

United States *v.* Santiago Boras : Grazing trespass, Prescott National Forest. Information filed charging violation of grazing regulations.

United States *v.* Samuel S. Candelario : Grazing trespass, Prescott National Forest. Information filed charging violation of grazing regulations.

United States *v.* Pablo Gallegos : Grazing trespass, Prescott National Forest. Information filed charging violation of grazing regulations.

Law Cases in District 4—

United States *v.* Adriano Delgado : Grazing trespass, Humboldt National Forest. Case closed on payment of \$14.40, actual damages.

United States *v.* William Jones : Grazing trespass, Minidoka National Forest. Decree issued July 25, 1919, enjoining defendant from allowing his cattle to graze on the National Forest.

United States *v.* Walter Weber : Claims case, Caribou National Forest, involving H. E. 016056 Blackfoot. September 10, 1919, decision of register and receiver for Government.

United States *v.* Jose Utnecha : Fire trespass, Boise National Forest. The sum of \$350 was deposited for security. Bound over for hearing in United States district court, Boise.

United States *v.* Roland C. Taylor : Grazing trespass, Boise National Forest. Case closed on payment of (\$52, actual, and \$50, punitive) damages.

United States *v.* Seth Loveland : Grazing trespass, Minidoka National Forest. Case closed on payment of \$92, actual damages.

United States *v.* C. V. Richardson : Grazing trespass, Weiser National Forest. Case closed on payment of \$90, actual damages.

United States *v.* W. A. Thomas : Fire trespass, Payette National Forest. Arrest by forest ranger, trial in United States court at Boise September 5, plea of guilty. Case closed on payment of \$100 fine.

United States *v.* Edward E. Ogren : Claims case, Sawtooth National Forest, involving H. E. 011428-017727. Decision of commissioner canceling entry.

United States *v.* Ernest B. Stratton : Grazing trespass, Minidoka National Forest. Trial United States court, Boise, September 10. Judgment for \$154.74.

United States *v.* Herman Decker and Pat Hainey: Fire trespass, Salmon National Forest. Arrest by forest ranger. Preliminary hearing in State court. The sum of \$148 was deposited by Decker with probate court and \$98 by Hainey with his attorney and tendered in settlement of actual damages and costs.

Law Cases in District 5—

United States *v.* W. J. Mudge: Fire trespass, Sierra National Forest. Case closed upon payment of \$71.90, actual damages.

United States *v.* Wm. Kaiser: Fire trespass, Inyo National Forest. Case closed upon payment of \$5.60, actual damages.

United States *v.* R. L. Hill: Timber trespass, Sequoia National Forest. Case closed upon payment of \$60.16, the last installment due on a judgment obtained for \$110.16.

United States *v.* W. H. Guscetti: Grazing trespass, Tahoe National Forest. Case closed upon payment of \$14.40, actual, and \$85.60, punitive damages.

United States *v.* Lloyd Sutton: Grazing trespass, Santa Barbara National Forest. Case closed upon payment of \$5, actual damages.

United States *v.* James Finnell: Fire trespass, California National Forest. Case closed upon payment of \$36.80, actual damages.

United States *v.* W. C. Stone: Grazing trespass, Lassen National Forest. Case closed upon payment of \$176.54, actual damages.

United States *v.* A. L. Pendola: Grazing trespass, Santa Barbara National Forest. Case closed upon payment of \$11.20, actual damages.

United States *v.* Clyde Harrison: Property trespass, Lassen National Forest. Case closed upon payment of \$5 for defacing a sign.

United States *v.* True Oil Co.: Fire trespass, Santa Barbara National Forest. Case closed upon payment of \$3, actual damages.

United States *v.* Gorham Owl: Fire trespass, Klamath National Forest. Defendant plead guilty and was sentenced to three months in the county jail.

United States *v.* Charles McBurns: Fire trespass, Klamath National Forest. Indictment secured September 27, 1919, Federal grand jury, Sacramento, Calif.

United States *v.* H. H. Ward: Property trespass (Biological Survey). Theft of Government traps. Indictment returned by Federal grand jury at Sacramento, Calif., September 27, 1919.

Law Cases in District 6—

United States *v.* R. G. Huff, D. O. Nelson, and N. C. Cooper: Fire trespass, Chelan National Forest. Trial at Chelan, Wash., September 6, resulting in conviction; each fined \$10 and costs.

United States *v.* N. C. Cooper: Fire trespass, Chelan National Forest. Trial at Chelan, Wash., September 6, resulting in conviction; fined \$10 and costs.

United States *v.* Max Seat and H. Lasher: Fire trespass, Rainier National Forest. Plead guilty at North Yakima September 12 and was fined \$10 and costs.

United States *v.* F. W. Chausse: Fire trespass, Oregon National Forest. Plead guilty, United States district court, Oregon, August 26; fined \$1.

United States *v.* R. T. Jacobs, Dr. J. B. Fenton, Dr. J. A. B. Fry, and A. Wenkter: Fire trespass, Oregon National Forest. Plead guilty August 28, Federal court, Oregon; fined \$5 each.

United States *v.* L. J. Moore: Fire trespass, Oregon National Forest. Plead guilty, United States Federal court, Oregon, August 27; fined \$5.

United States *v.* A. C. Barber: Fire trespass, Santiam National Forest. Plead guilty, United States Federal court, Oregon, August 28; fined \$5.

United States *v.* G. R. and A. L. French: Fire trespass, Oregon National Forest. Plead guilty, United States Federal court, Oregon, August; fined \$25 each.

United States *v.* Danaher Lumber Co.: Fire trespass, Snoqualmie and Washington National Forests. Closed September 6 on compromised settlement; payment of \$2,000 for damages and expense of fighting fire.

United States *v.* John H. Harrison: Grazing trespass, criminal, Deschutes National Forest. Information dismissed; case closed September 20 on compromised settlement; payment of \$64.80, actual, and \$10.20, punitive damages; total, \$75.

United States *v.* C. S. Howell: Grazing trespass, Colville National Forest. Closed September 3 on payment of \$27, actual damage.

United States *v.* Orrin Graeber: Grazing trespass, Colville National Forest. Closed August 22 on payment of \$19.35, actual damage.

United States *v.* L. D. Hoy: Grazing trespass, Fremont National Forest. Closed August 11 on payment of \$126, actual, and \$250, punitive, damages.

United States *v.* C. S. Woods: Grazing trespass, Deschutes National Forest. Closed June 30 on payment of \$94.16, actual, and \$150, punitive, damages.

United States *v.* Pete Bidegary: Grazing trespass, Fremont National Forest. Closed August 29 on payment of \$11.25, actual, and \$150, punitive, damages.

United States *v.* Mulligan Bros.: Grazing trespass, Minam National Forest. Closed August 2 on payment of \$15, actual, and \$50, punitive, damages.

United States *v.* S. Leon Grimmett: Grazing trespass, Siskiyou National Forest. Closed August 4 on payment of \$3.84, actual, and \$10, punitive, damages.

United States *v.* H. Walters: Grazing trespass, Whitman National Forest. Closed July 15 on payment of \$122.40, actual damage.

United States *v.* Dave Lee and W. J. Murphy: Grazing trespass, Whitman National Forest. Closed August 6 on payment of \$68.25, actual damage.

In addition to the above list, there were 23 fire trespass cases in which this office took no part, but which were acted upon by Forest officers under the State law and which resulted in fines aggregating \$425 besides costs. In one case also three persons were held for action by the grand jury and one information filed by this office.

SERVICE PUBLICATIONS ISSUED.

Department Bulletin 676.—The Relation of the Shrinkage and Strength Properties of Wood to Its Specific Gravity.

Department Bulletin 790.—Range Management on the National Forests.

Department Bulletin 791.—Plant Succession in Relation to Range Management.

Unnumbered Publication.—A Summer Vacation in the Sopris National Forest.

Unnumbered Publication.—Out-of-Door Playgrounds of the San Isabel National Forest.

Unnumbered Publication.—Vacation Trips in the Holy Cross National Forest.

Unnumbered Publication.—Out-door Life in the Colorado National Forest.

Unnumbered Publication.—Vacation Land—The National Forests in Oregon.

Unnumbered Publication.—Arbor Day (booklet).

CUMULATIVE INDEX TO SERVICE NOTES AND ORDERS.

[October, 1919.]

[Numbers in parentheses after the month indicate page.]

Application for writ of habeas corpus, district 3; Oct. (62).

Cancellation of patent:

District 1; July (26).

District 2; July (26); Oct. (61).

Charge of murder, district 4; July (30).

Claims case, district 4; Oct. (65).

Elimination of land from National Forest, district 4; July (30).

Fraudulently obtaining transportation, district 1; Oct. (59).

Indictment for misdemeanor, district 3; Oct. (62).

Injunction proceedings, district 2; Oct. (61).

Issuance of patent, district 4; July (30).

Obtaining property under false pretenses, district 1; Oct. (59).
Proceedings on contract bond, district 1; July (30).

Law cases:

- District 1; July (26); Oct. (59).
- District 2; July (26); Oct. (61).
- District 3; July (27); Oct. (62).
- District 4; July (30); Oct. (65).
- District 5; July (31); Oct. (66).
- District 6; July (31); Oct. (66).

Trespass cases:

Timber—

- District 1; July (26); Oct. (59).
- District 3; July (27); Oct. (62).
- District 4; July (30).

Fire—

- District 1; July (26); Oct. (59).
- District 2; July (26); Oct. (61).
- District 3; July (27).
- District 4; Oct. (—).
- District 5; July (31); Oct. (66).
- District 6; July (31); Oct. (66).

Grazing—

- District 1; July (26); Oct. (59).
- District 2; July (26); Oct. (61).
- District 3; July (27); Oct. (62).
- District 4; July (30); Oct. (65).
- District 5; July (31); Oct. (66).
- District 6; July (31); Oct. (66).

Occupancy—

- District 2; July (26); Oct. (61).
- District 3; July (27); Oct. (62).
- District 6; July (31).

Fish and game, district 4; July (30).

Property—

- District 5; Oct. (66).

